

Docket No. 277165US0PCT



IAP2 Rec'd PCT/PTO 13 DEC 2005  
MAIL STOP PCT

PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Youcef FEZOUl, et al.

SERIAL NO: 10/549,502

GAU:

FILED: September 14, 2005

EXAMINER:

FOR: AMYLIN AGGREGATION INHIBITORS AND USE THEREOF

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

Richard L. Treanor

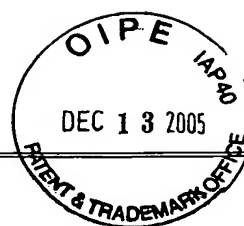
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|                                                                                                                                                                                                                                              |    |                                                                                                                                                                                                                 |          |                                    |                       |                                                                             |                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------|-----------------------|-----------------------------------------------------------------------------|-------------------------------|
| Form PTO 1449<br>(Modified)                                                                                                                                                                                                                  |    | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE                                                                                                                                                      |          | ATTY DOCKET NO.<br>277165US0PCT    |                       | SERIAL NO.<br>10/549,502                                                    |                               |
| LIST OF REFERENCES CITED BY APPLICANT                                                                                                                                                                                                        |    |                                                                                                                                                                                                                 |          | APPLICANT<br>Youcef FEZOUI, et al. |                       |                                                                             |                               |
|                                                                                                                                                                                                                                              |    |                                                                                                                                                                                                                 |          | FILING DATE<br>September 14, 2005  |                       | GROUP                                                                       |                               |
| U.S. PATENT DOCUMENTS                                                                                                                                                                                                                        |    |                                                                                                                                                                                                                 |          |                                    |                       |                                                                             |                               |
| EXAMINER<br>INITIAL                                                                                                                                                                                                                          |    | DOCUMENT<br>NUMBER                                                                                                                                                                                              | DATE     | NAME                               | CLASS                 | SUB<br>CLASS                                                                | FILING DATE<br>IF APPROPRIATE |
|                                                                                                                                                                                                                                              | AA | 2002/0119926                                                                                                                                                                                                    | 08/29/02 | FRASER                             |                       |                                                                             |                               |
|                                                                                                                                                                                                                                              | AB | 6 610 824                                                                                                                                                                                                       | 08/26/03 | GAETA et al.                       |                       |                                                                             |                               |
| FOREIGN PATENT DOCUMENTS                                                                                                                                                                                                                     |    |                                                                                                                                                                                                                 |          |                                    |                       |                                                                             |                               |
|                                                                                                                                                                                                                                              |    | DOCUMENT<br>NUMBER                                                                                                                                                                                              | DATE     | COUNTRY                            | TRANSLATION<br>YES NO |                                                                             |                               |
|                                                                                                                                                                                                                                              | AC | 0 885 904                                                                                                                                                                                                       | 12/23/98 | EP                                 |                       |                                                                             | NO                            |
|                                                                                                                                                                                                                                              | AD | 96/39834                                                                                                                                                                                                        | 12/19/96 | WO                                 |                       |                                                                             | NO                            |
|                                                                                                                                                                                                                                              | AE | 1 162 207                                                                                                                                                                                                       | 12/12/01 | EP                                 |                       |                                                                             | NO                            |
|                                                                                                                                                                                                                                              | AF | 01/34631                                                                                                                                                                                                        | 05/17/01 | WO                                 |                       |                                                                             | NO                            |
| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)                                                                                                                                                                      |    |                                                                                                                                                                                                                 |          |                                    |                       |                                                                             |                               |
|                                                                                                                                                                                                                                              | AG | MORIARTY et al. "Effects of Sequential Proline Substitutions on Amyloid Formation by Human Amylin", Biochemistry, vol. 38, pages 1811-1818<br>1999                                                              |          |                                    |                       |                                                                             |                               |
|                                                                                                                                                                                                                                              | AH | WESTERMARK et al. "Islet amyloid polypeptide: Pinpointing amino acid residues linked to amyloid fibril formation", Proc. Natl. Acad. Sci., vol. 87, pages 5036-5040<br>1990                                     |          |                                    |                       |                                                                             |                               |
|                                                                                                                                                                                                                                              | AI | SOTO et al. "Beta-sheet breaker peptides inhibit fibrillogenesis in a rat brain model of amyloidosis: Implications for Alzheimer's therapy", Nature Medicine, vol. 4, no. 7, pages 822-826<br>1998              |          |                                    |                       |                                                                             |                               |
|                                                                                                                                                                                                                                              | AJ | ANGUIANO et al. "Protofibrillar Islet Amyloid Polypeptide Permeabilizes Synthetic Vesicles by a Pore-like Mechanism that May Be Relevant to Type II Diabetes", Biochemistry, vol. 41, pages 11338-11343<br>2002 |          |                                    |                       |                                                                             |                               |
|                                                                                                                                                                                                                                              | AK | CARRELL et al. "Conformational Disease", The Lancet, vol. 350, pages 134-138<br>1997                                                                                                                            |          |                                    |                       |                                                                             |                               |
|                                                                                                                                                                                                                                              | AL | COOPER et al. "Purification and characterization of a peptide from amyloid-rich pancreases of type 2 diabetic patients", Proc. Natl. Acad. Sci., vol. 84, pages 8628-8632<br>1987                               |          |                                    |                       |                                                                             |                               |
|                                                                                                                                                                                                                                              | AM | DOBSON. "Protein misfolding, evolution and disease", TIBS, vol. 24, pages 329-332<br>1999                                                                                                                       |          |                                    |                       |                                                                             |                               |
|                                                                                                                                                                                                                                              | AN | FEZOUI et al. "An improved method of preparing the amyloid beta-protein for fibrillogenesis and neurotoxicity experiments", Amyloid: Int. J. Exp. Clin. Invest., vol. 7, pages 166-178<br>2000                  |          |                                    |                       |                                                                             |                               |
|                                                                                                                                                                                                                                              | AO | GLENNER et al. "Amyloid Fibrils Formed from a Segment of the Pancreatic Islet Amyloid Protein", Biochemical and Biophysical Research Communications, vol. 155, no. 2, pages 608-614<br>1988                     |          |                                    |                       |                                                                             |                               |
|                                                                                                                                                                                                                                              | AP | HOEPPENER et al. "Islet Amyloid and Type 2 Diabetes Mellitus", Mechanisms of Disease, vol. 343, no. 6, pages 411-419<br>2000                                                                                    |          |                                    |                       |                                                                             |                               |
|                                                                                                                                                                                                                                              | AQ | KLUNK et al. "Quantifying Amyloid by Congo Red Spectral Shift Assay", Methods in Enzymology, vol. 309, pages 285-305<br>1999                                                                                    |          |                                    |                       |                                                                             |                               |
|                                                                                                                                                                                                                                              | AR | LORENZO et al. "Pancreatic islet cell toxicity of amylin associated with type-2 diabetes mellitus", Nature, vol. 368, pages 756-760<br>1994                                                                     |          |                                    |                       |                                                                             |                               |
|                                                                                                                                                                                                                                              | AS | RINK et al. "Structure and biology of amylin", Tips, vol. 14, pages 113-118<br>1993                                                                                                                             |          |                                    |                       | <input checked="" type="checkbox"/> Additional References sheet(s) attached |                               |
| Examiner                                                                                                                                                                                                                                     |    |                                                                                                                                                                                                                 |          |                                    | Date Considered       |                                                                             |                               |
| *Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |    |                                                                                                                                                                                                                 |          |                                    |                       |                                                                             |                               |



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| Form PTO 1449<br>(Modified)                                                                                                                                                                                                                  |     | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE                                                                                                                                             |  | ATTY DOCKET NO.<br>277165US0PCT    |  | SERIAL NO.<br>10/549,502 |  |
| LIST OF REFERENCES CITED BY APPLICANT                                                                                                                                                                                                        |     |                                                                                                                                                                                                        |  | APPLICANT<br>Youcef FEZOUJ, et al. |  |                          |  |
|                                                                                                                                                                                                                                              |     |                                                                                                                                                                                                        |  | FILING DATE<br>September 14, 2005  |  | GROUP                    |  |
| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)                                                                                                                                                                      |     |                                                                                                                                                                                                        |  |                                    |  |                          |  |
|                                                                                                                                                                                                                                              | AT  | SOTO. "Protein misfolding and disease; protein refolding and therapy", FEBS Letters, vol. 498, pages 204-207 2001                                                                                      |  |                                    |  |                          |  |
|                                                                                                                                                                                                                                              | AU  | LEVINE. "Thioflavine T interaction with synthetic Alzheimer's disease beta-amyloid peptides: Detection of amyloid aggregation in solution", Protein Science, vol. 2, pages 404-410 1993                |  |                                    |  |                          |  |
|                                                                                                                                                                                                                                              | AV  | TRIGUERO et al. "Capillary Depletion Method for Quantification of Blood-Brain Barrier Transport of Circulating Peptides and Plasma Proteins", Journal of Neurochemistry, vol. 54, pages 1882-1888 1990 |  |                                    |  |                          |  |
|                                                                                                                                                                                                                                              | AW  |                                                                                                                                                                                                        |  |                                    |  |                          |  |
|                                                                                                                                                                                                                                              | AX  |                                                                                                                                                                                                        |  |                                    |  |                          |  |
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|                                                                                                                                                                                                                                              | AAJ |                                                                                                                                                                                                        |  |                                    |  |                          |  |
| Examiner                                                                                                                                                                                                                                     |     |                                                                                                                                                                                                        |  |                                    |  | Date Considered          |  |
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U.S. PCT Application Serial No.: 10/549,502  
Docket No.: 277165US0PCT

#### STATEMENT OF RELEVANCY

- 1) References AA, AC-AE, AG-AI have been cited in the International Search Report. Copies of these references are being submitted herewith only when not automatically provided by the International Searching Authority.
- 2) References \_\_\_\_\_ have been cited in the corresponding \_\_\_\_\_ Search Report. A copy of these references is being submitted herewith.
- 3) References AB, AF, AJ-AT are discussed in the specification. A copy of these references is being submitted here with.
- 4) References AU, AV are additional prior art known to Applicant. A copy of these references is being submitted herewith.